

Title (en)  
Resist composition

Title (de)  
Resistzusammensetzung

Title (fr)  
Composition de photoréserve

Publication  
**EP 1443362 A2 20040804 (EN)**

Application  
**EP 04000825 A 20040116**

Priority  
• JP 2003009421 A 20030117  
• JP 2003118396 A 20030423

Abstract (en)  
The resist composition of the invention comprises at least one resist compound and at least one acid or base generator capable of directly or indirectly generating an acid or a base by exposure to radiation. The resist compound satisfies all the following requirements: a) containing at least one acid-dissociating functional group in molecule thereof, b) containing at least one kind of functional group selected from the group consisting of urea group, urethane group, amido group and imido group in a molecule thereof, c) having a molecular weight of 500 to 5,000, d) having a branched structure, and e) satisfying the formula:  $3 \leq F \leq 5$ , wherein F is represented by (number of total atoms)/(number of total carbon atoms - number of total oxygen atoms). The resist composition has a high sensitivity, a high resolution, a high heat resistance and a good solubility to solvents.  
<IMAGE>

IPC 1-7  
**G03F 7/039**; **G03F 7/023**; **G03F 7/022**; **G03F 7/004**

IPC 8 full level  
**G03F 7/004** (2006.01); **G03F 7/022** (2006.01); **G03F 7/023** (2006.01); **G03F 7/039** (2006.01)

CPC (source: EP KR US)  
**G03F 7/0045** (2013.01 - KR); **G03F 7/0226** (2013.01 - EP KR US); **G03F 7/0233** (2013.01 - EP KR US); **G03F 7/039** (2013.01 - KR); **G03F 7/0392** (2013.01 - EP KR US); **G03F 7/0045** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1443362 A2 20040804**; **EP 1443362 A3 20050427**; CN 1517794 A 20040804; KR 20040066720 A 20040727; TW 200421032 A 20041016; US 2004191672 A1 20040930

DOCDB simple family (application)  
**EP 04000825 A 20040116**; CN 200410002262 A 20040116; KR 20040003280 A 20040116; TW 93101112 A 20040116; US 75812204 A 20040116